

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME 3M COMPANY		EMERGENCY TELEPHONE NO. (612) 733-2328
ADDRESS (Number, Street, City, State, and ZIP Code) 3M CENTER, ST. PAUL, MINNESOTA 55101		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS SCOTCHWELD Brand Structural
CHEMICAL FAMILY Epoxy resin	FORMULA Adhesive 2214, Regular	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Resin - Bisphenol A type diluted with phenyl glycidyl ether				~ 40	
Resin - Butanediol diglycidyl ether type				< 5	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	contains no solvent	N.A.	SPECIFIC GRAVITY (H ₂ O=1)	1.44
VAPOR PRESSURE (mm Hg.)		N.A.	PERCENT VOLATILE BY VOLUME (%)	contains no solvent or water 0
VAPOR DENSITY (AIR=1)		N.A.	EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	essentially nil			
APPEARANCE AND ODOR	Gray viscous paste			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	contains no flammable liquids - N.A.	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	CO ₂ , foam, dry chemicals			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None known			

SECTION V - HEALTH HAZARD DATA

PERMITTED LIMIT VALUE

N.A.

EFFECTS OF OVEREXPOSURE

May be irritating to skin. May cause sensitization in some individuals.

EMERGENCY AND FIRST AID PROCEDURES

EYE contact: Flush eyes with plenty of water. Seek medical advice.

SKIN contact: Wash thoroughly with soap and water. Rinse with water.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

X

CONDITIONS TO AVOID

Exposure to temperatures above room temp. for prolonged periods of time.

STABLE

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS
POLYMERIZATION

MAY OCCUR

X

CONDITIONS TO AVOID

Exposure of large quantities of material to temp. above room temp. for prolonged periods of time.

WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Collect spilled material. Clean up residue.

WASTE DISPOSAL METHOD

Incinerate properly in accordance with local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

X

EYE PROTECTION

X

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store at 40°F or lower. Warm to room temperature before opening. Use only in areas adequately ventilated to prevent vapor build-up. Avoid

OTHER PRECAUTIONS

eye and skin contact. Avoid breathing fumes during curing. Avoid breathing dust when grinding or sawing. Launder contaminated clothing before re-use.

PAGE (2)